

ABSTRACT OF THE INVENTION

A hydrogel is provided in which varying ratios of acrylyol-modified dextran molecules and acrylyol-modified hyaluronan products are cross-linked to form a hydrogel conjugate. The incorporation of the derivatized hyaluronan molecules 5 allows a hydrogel to be constructed that may be degraded by hydrolysis and enzymatic pathways. This mechanism offers novel hydrogel that may be useful in medical applications including the prevention of surgical adhesions, controlled drug delivery, tissue coatings, tissue adherence, and tissue supporting structures, and the coating of medical devices and related articles prior to placement within a patient.